STEERING GEAR

COMPONENTS

NO. 1 STEERING COLUMN HOLE COVER SUB-ASSEMBLY

● CLAMP

POWER STEERING GEAR

138 (1407, 102)

138 (1407, 102)

INTERMEDIATE SHAFT

35 (360, 26)

FRONT SUSPENSION CROSSMEMBER
SUB-ASSEMBLY
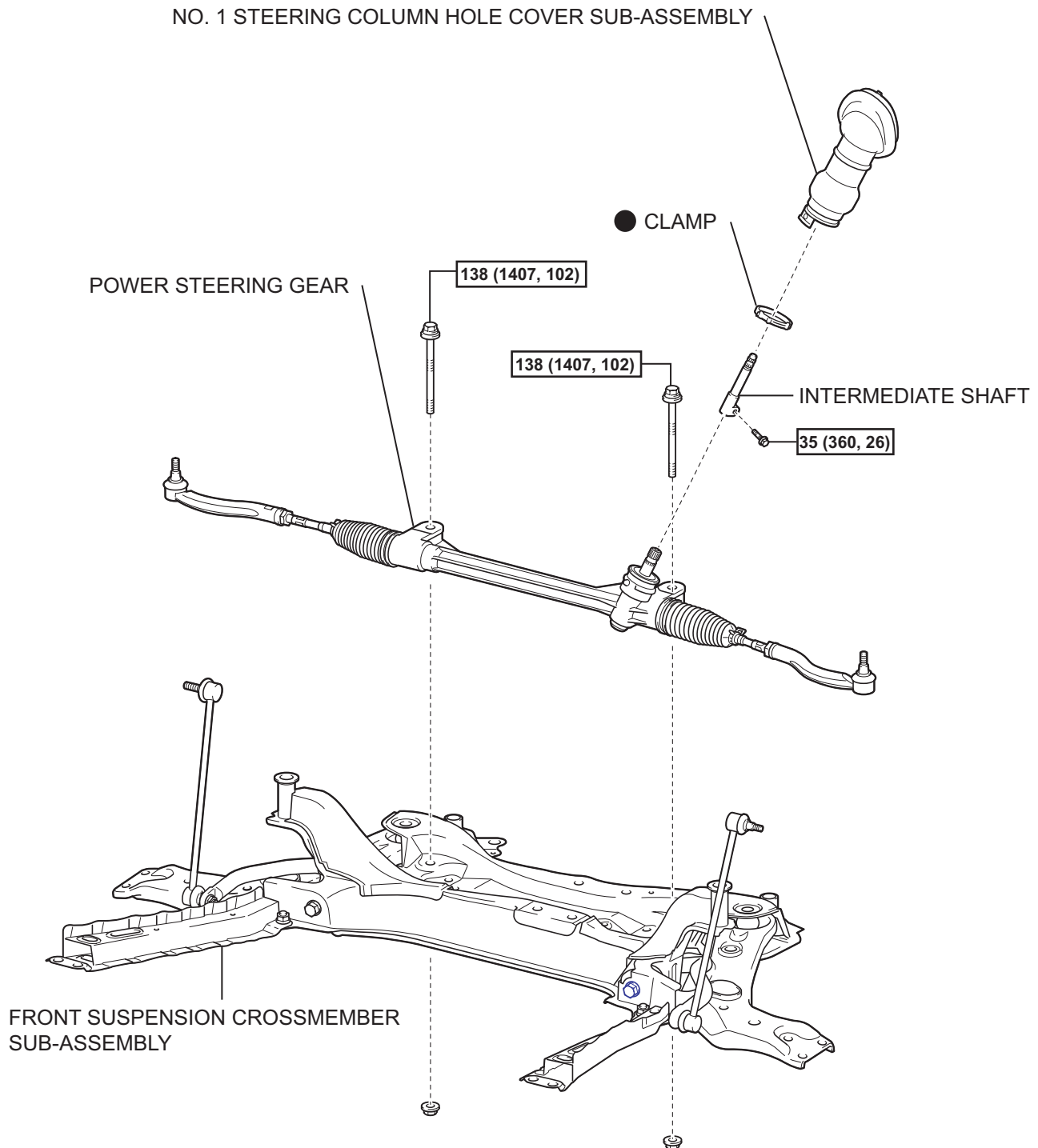
N*m (kgf*cm, ft.*lbf) : Specified torque

● Non-reusable part

P

C128487E01

PS

CLIP

CLIP

COLUMN HOLE COVER
SILENCER SHEET

C133432E02

PS
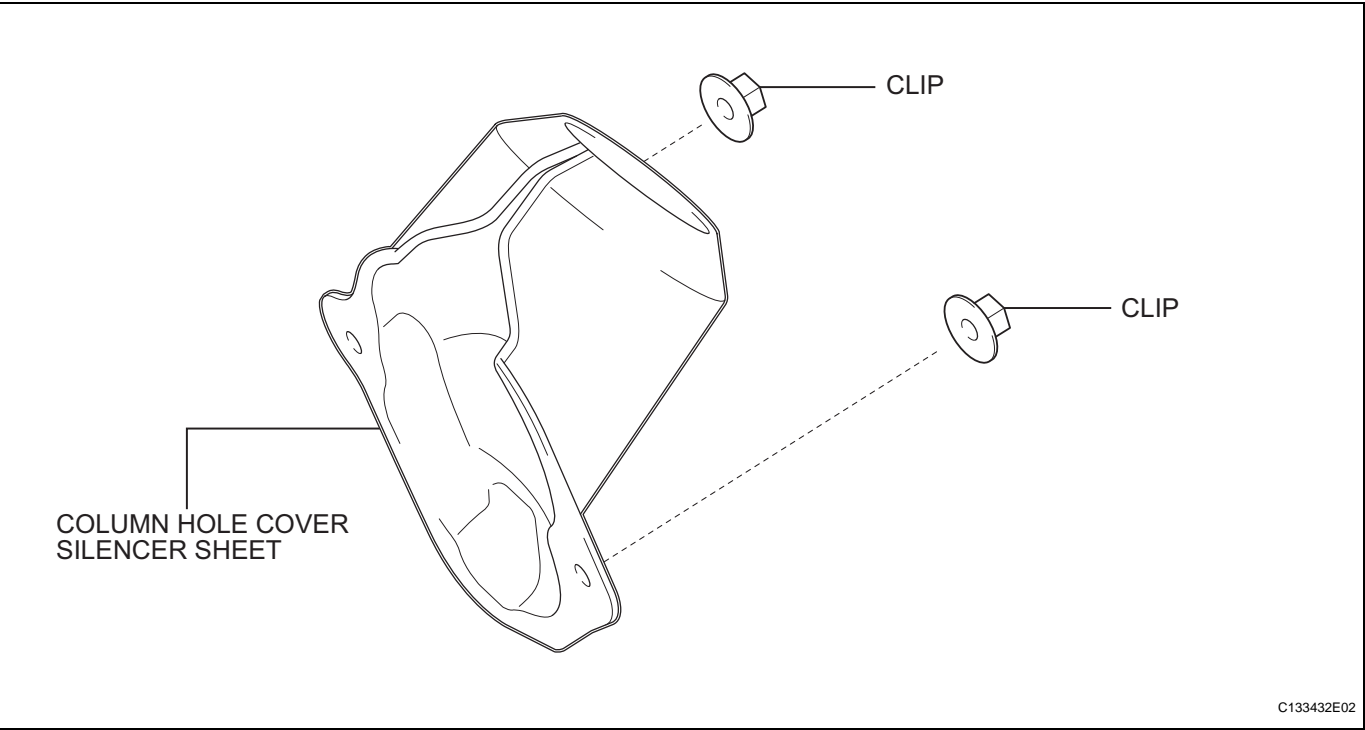
REMOVAL

1. **POSITION FRONT WHEELS FACING STRAIGHT AHEAD**

2. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**
   CAUTION:
   Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

3. **REMOVE FRONT WHEEL**

4. **DISCONNECT TIE ROD END SUB-ASSEMBLY LH**
   (a) Remove the cotter pin and castle nut.

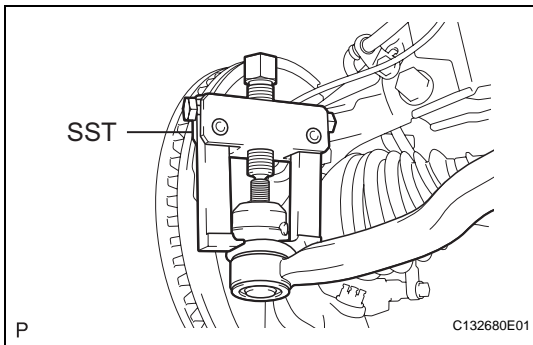   (b) Using SST, disconnect the tie rod end from the steering knuckle.
   SST   09628-62011
   NOTICE:
   Do not damage the tie rod end dust cover.

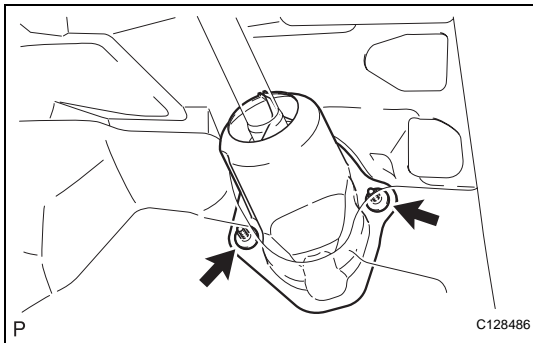5. **DISCONNECT TIE ROD END SUB-ASSEMBLY RH**
   HINT:
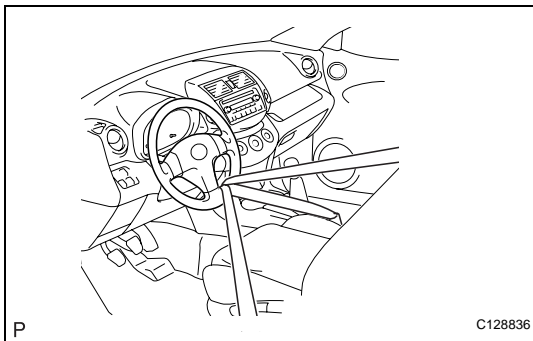   Use the same procedure for the RH side as for the LH side.

6. **REMOVE COLUMN HOLE COVER SILENCER SHEET**
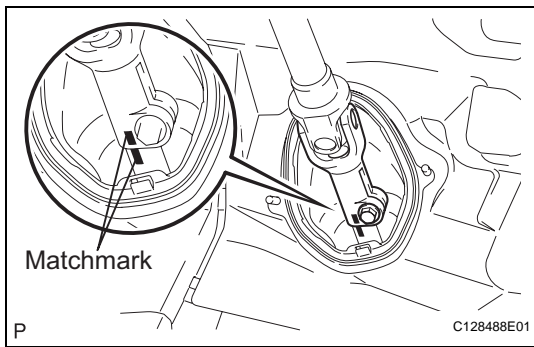   (a) Remove the floor carpet, 2 clips and column hole cover silencer.

7. **DISCONNECT STEERING SLIDING YOKE SUB-ASSEMBLY**
   (a) Use a seat belt to fix the steering wheel in place to avoid breakage of the spiral cable.

Matchmark

C128488E01

(b) Place matchmarks on the sliding yoke of the steering intermediate shaft.
(c) Remove the bolt and disconnect the sliding yoke.

Clip B

Clip A

C128837E01
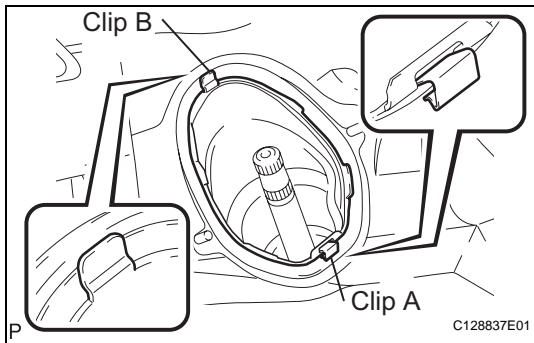
8. **DISCONNECT NO. 1 STEERING COLUMN HOLE COVER SUB-ASSEMBLY**
   (a) Remove clip A, detach clip B from the body and disconnect the No. 1 steering column hole cover.
   NOTICE:
   Do not damage clips A and B.

9. **REMOVE ENGINE ASSEMBLY WITH TRANSAXLE**
   (a) Remove the engine with transaxle (see page EM-98).

10. **REMOVE NO. 1 STEERING COLUMN HOLE COVER SUB-ASSEMBLY**
    (a) Remove the clamp and disconnect the column hole cover from the steering gear.

11. **REMOVE INTERMEDIATE SHAFT**
    (a) Place matchmarks on the intermediate shaft of the steering gear.
    (b) Remove the bolt and disconnect the steering intermediate shaft from the steering gear.

Matchmark

C132129E01
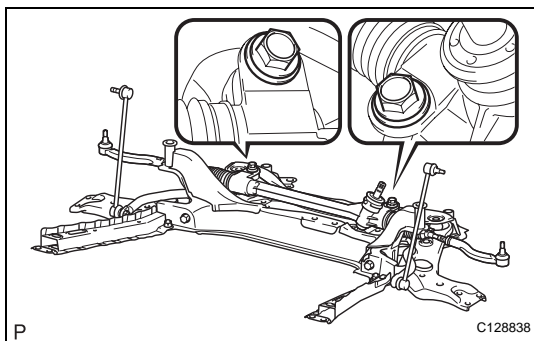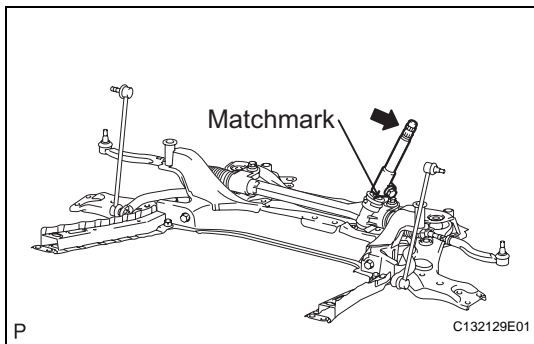
12. **REMOVE STEERING GEAR ASSEMBLY**
    (a) Remove the 2 bolts, 2 nuts and steering gear from the suspension crossmember.
    NOTICE:
    Keep the nut from rotating while turning the bolt.

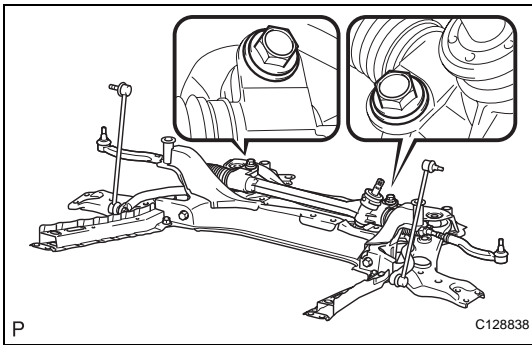C128838

INSTALLATION

1. INSTALL STEERING GEAR ASSEMBLY
   (a) Install the steering gear onto the front suspension crossmember with the 2 bolts and 2 nuts.
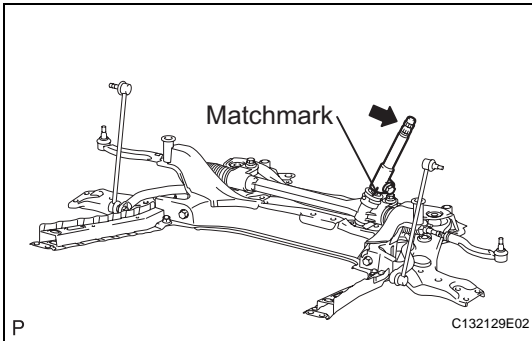   **Torque: 138 N*m (1407 kgf*cm, 102 ft.*lbf)**
   NOTICE:
   Keep the nut from rotating while turning the bolt.

Matchmark

2. INSTALL INTERMEDIATE SHAFT
   (a) Align the matchmarks and install the intermediate shaft onto the steering gear.
   Torque: 35 N*m (360 kgf*cm, 26 ft.*lbf)

3. INSTALL NO. 1 STEERING COLUMN HOLE COVER SUB-ASSEMBLY
   (a) Install the column hole cover onto the steering gear with a new clamp.
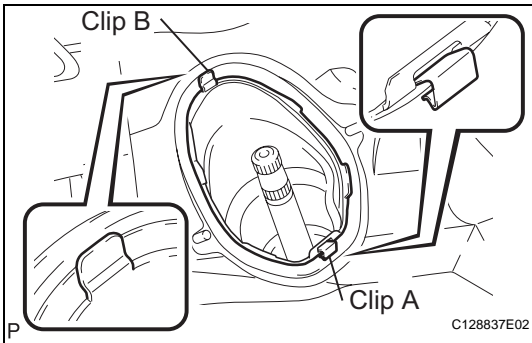
4. INSTALL ENGINE ASSEMBLY WITH TRANSAXLE
   (a) Install the engine with transaxle (see page EM-105).

Clip B

Clip A

5. INSTALL NO. 1 STEERING COLUMN HOLE COVER SUB-ASSEMBLY
   (a) Attach clip B onto the body portion and install the No. 1 hole cover onto the body portion with clip A.
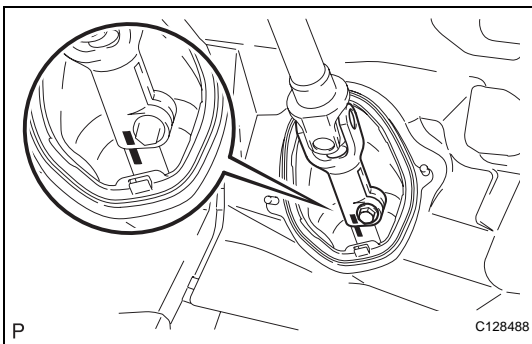   **NOTICE:**
   Make sure that the lip portion of the No. 1 hole cover is not damaged.

PS

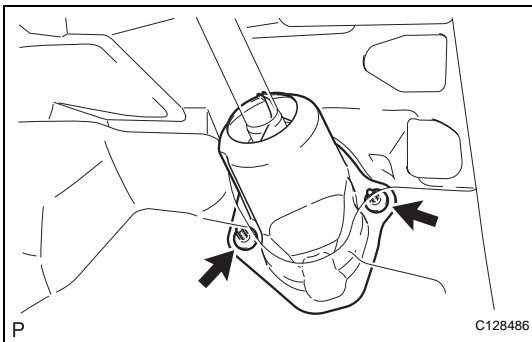**6. CONNECT STEERING SLIDING YOKE SUB-ASSEMBLY**
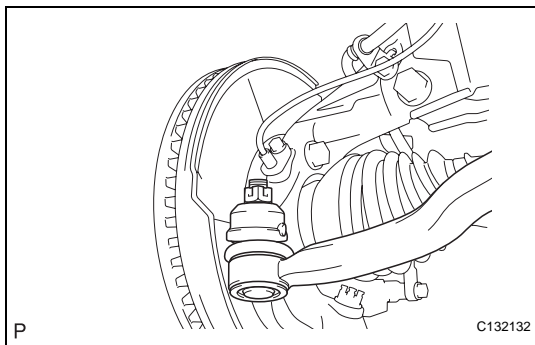   (a) Align the matchmarks and install the sliding yoke onto the intermediate shaft.
   Torque: 35 N*m (360 kgf*cm, 26 ft.*lbf)

7. INSTALL COLUMN HOLE COVER SILENCER SHEET
   (a) Install the column hole cover silencer sheet with the 2 clips.
   (b) Install the floor carpet.

P   C132132

8. CONNECT TIE ROD END SUB-ASSEMBLY LH
   (a) Connect the tie rod end onto the steering knuckle
       with the castle nut.
       Torque: 49 N*m (500 kgf*cm, 36 ft.*lbf)
       NOTICE:
       If the holes for the clip are not aligned, tighten
       the nut up to 60° further.
   (b) Install a new cotter pin.

9. CONNECT TIE ROD END SUB-ASSEMBLY RH
   HINT:
   Use the same procedure for the RH side as for the LH
   side.

10. INSTALL FRONT WHEEL
    Torque: 103 N*m (1,050 kgf*cm, 76 ft.*lbf)

11. CONNECT CABLE TO NEGATIVE BATTERY
    TERMINAL

12. POSITION FRONT WHEELS FACING STRAIGHT
    AHEAD

13. INSPECT AND ADJUST FRONT WHEEL ALIGNMENT
    (a) Inspect and adjust the wheel alignment (see page
        SP-3).

PS